

APR 17 2007

Application No.: 10/823,451

Docket No.: JCLA12897

AMENDMENT**In The Claims:**

Please amend the claims as follows:

Claims 1-7. (canceled)

8. (currently amended) An inkjet print head, comprising:

an ink chip, having a surface and at least an ink slot formed through the ink chip;

at least a heater, formed on the surface of the ink chip;

a chamber layer, having at least a first ink channel and at least an ink chamber, formed on the surface of the ink chip, the ink chamber exposing the heater, the ink chamber connecting to the ink slot by the first ink channel, the ink chamber having a plurality of chamber walls and at least one of the chamber walls laterally caves in away from the heater to form at least a collecting room, wherein the collecting room is a part of the ink chamber and is separate from the first ink channel; and

a nozzle plate, having at least a nozzle that is formed through the nozzle plate positioned on the chamber layer, wherein the nozzle is above the heater.

9. (original) The inkjet print head of claim 8, wherein the print head further comprises an island formed on the surface of the ink chip between the first ink channel and the ink slot.

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10. (original) The inkjet print head of claim 9, wherein the chamber layer further comprises a pair of first ink-channeling surfaces with each first ink-channeling surface being positioned on each side of the first ink channel.

11. (original) The inkjet print head of claim 10, wherein the island has a pair of second ink-channeling surfaces such that the first ink-channeling surfaces and the second ink-channeling surfaces together form a pair of second ink channels that join with the first ink channel.

12. (original) The inkjet print head of claim 11, wherein each first ink-channeling surface and its corresponding second ink-channeling surface are parallel to each other.

13. (original) The inkjet print head of claim 8, wherein the nozzle is not positioned directly above the collecting room.

Claims 14-26 (cancelled)

27. (currently amended) An inkjet print head, comprising:
an ink chip, having a surface;
at least a heater, formed on the surface of the ink chip; and
a nozzle structural layer, having at least ~~[[a-first]]~~an ink channel, at least an ink chamber and at least a nozzle, positioned on the surface of the ink chip, wherein the ink chamber exposes the heater, the ~~[[first]]~~ ink channel allows an ink to supply into the ink chamber, the ink chamber

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has a plurality of chamber walls and at least one of the chamber walls laterally caves in away from the heater to form at least a collecting room, the collecting room being a part of the ink chamber and being separate from the ink channel, and the nozzle is above the heater and corresponds to the ink chamber.

28. (currently amended) An inkjet print head, comprising:

an ink chip with a surface and at least an ink slot formed through the ink chip;

at least a heater, formed on the surface of the ink chip;

a nozzle structural layer, having at least ~~[[a first]]~~ an ink channel, at least an ink chamber and at least a nozzle, positioned on the surface of the ink chip, the ink chamber exposing the heater and the ink chamber connecting to the ink slot by the ~~[[first]]~~ ink channel, the ink chamber having a plurality of chamber walls, at least one of the chamber walls laterally caving in away from the heater to form at least a collecting room, the collecting room being a part of the ink chamber and being separate from the ink channel, and the nozzle being above the heater and corresponding to the ink chamber.